LG

DLP PROJECTION TV
OWNER'S MANUAL

Money Isn't All You're Saving

Please read this manual carefully before operating your set.
Retain it for future reference.
Record model number and serial number of the set.
See the label attached on the back cover and quote this information to your dealer when you require service.

Model number :
Serial number :

Contents

Installation

Power

This set operates on an AC mains supply, the voltage is as indicated on the label on the back cover. Never apply DC power to the set. In the event of thunderstorms or powercuts, please pull out the aerial and mains plugs.

Warning

To prevent fire or shock hazard, do not expose the set to rain or moisture.

Service

Never remove the back cover of the set as this can expose you to very high voltage and other hazards. If the set does not operate properly, unplug it and call your dealer.

Aerial

Connect the aerial cable to the socket marked ⊓75 Ω on the back cover. For the best reception an outdoor aerial should be used.

Location

Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back cover.

Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR, 4:3 picture format or if a CH label is present;
the fixed image may remain visible on the screen.

DVB
Digital Video Broadcasting

Location and function of controls

All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.

Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.
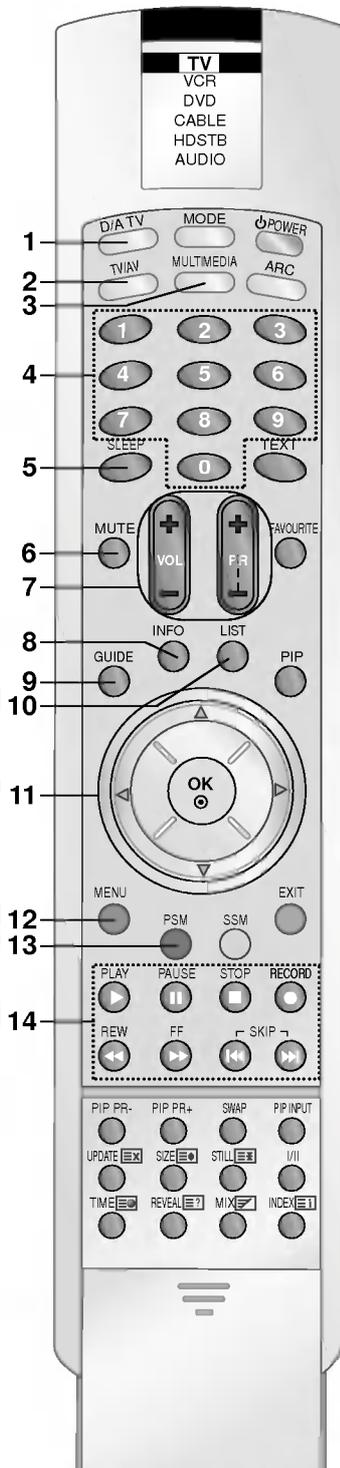
1. **D/A TV**
   selects analogue or digital mode.

2. **TV/AV**
   selects the remote operating mode.
   switches the set on from standby.

3. **MULTIMEDIA**
   selects **Component 1/2**, **RGB-DTV**, **RGB-PC**, **DVI-DTV** or **DVI-PC** modes.

4. **NUMBER BUTTONS**
   switches the set on from standby or directly select a number.

5. **SLEEP**
   sets the sleep timer.

6. **MUTE**
   switches the sound on or off.

7. **VOL +/- (Volume Up/Down)**
   Increases/decreases sound level.
   PR +/- (Programme Up/Down)
   selects a programme.

8. **INFO**
   displays information on top of the screen during watching the TV.

9. **GUIDE**
   shows a programme schedule.

10. **LIST**
    displays the programme table.

11. **OK**
    accepts your selection or displays the current mode.
    ▲ / ▼ or ◄ / ►
    adjusts menu settings.
    selects menu item.

12. **MENU**
    selects a menu.

13. **PSM (Picture Status Memory)**
    recalls your preferred picture setting.

14. **VCR BUTTONS**
    control a LG video cassette recorder.

15. **MODE**
    selects another device.

16. **POWER**
    switches the set on from standby or off to standby.

17. **ARC (Aspect Ratio Control)**
    changes the picture format.

Location and function of controls

18. TELETEXT BUTTONS

These buttons are used for teletext.
For further details, see the 'Teletext' section.
switches the subtitle on or off in Digital mode.

19. FAVOURITE

selects a favourite programme.

20. PIP BUTTONS

PIP

switches the sub picture on or off.

PR +/-

selects a programme for the sub picture.

SWAP

alternates between main and sub picture.

INPUT

selects the input mode for the sub picture.

21. EXIT

Clears all on-screen displays and returns to TV viewing from any menu.

22. SSM (Sound Status Memory)

recalls your preferred sound setting.

23. I/II

selects the language during dual language broadcast.
selects the sound output.
changes the audio mode (MPEG or AC3) in Digital mode.

24. STILL

freezes motion of the picture.

Note : In teletext mode, the PIP PR +/-, SWAP and PIP INPUT buttons are used for teletext function.

Battery installation

The remote control handset is powered by two AA type batteries. To load the batteries, turn the remote control handset over and open the battery compartment. Install two batteries as indicated by the polarity symbols ($\oplus$ and $\ominus$) marked inside the compartment.

Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.

5
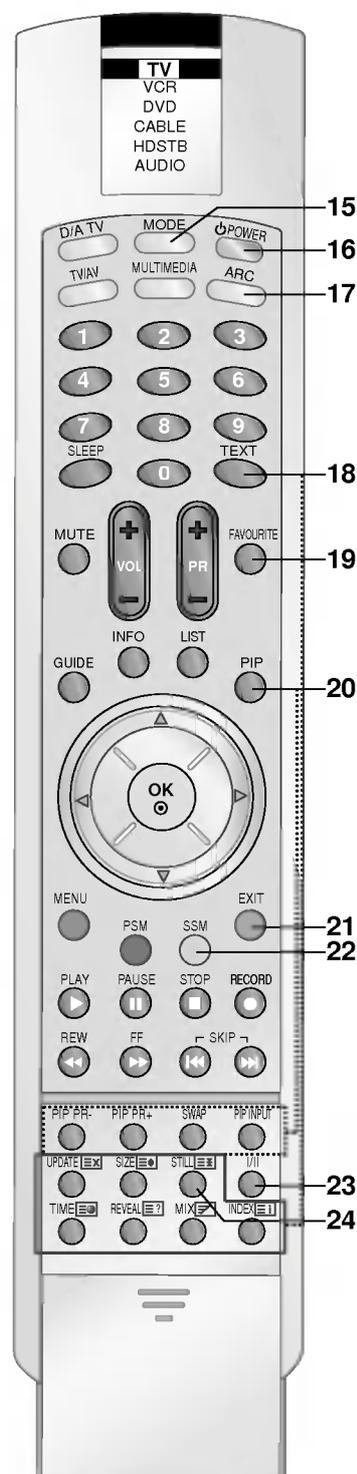
Location and function of controls

Front panel

Lamp indicator, temperature indicator, and operation indicator, located side the front panel controls reveal the operating status of the DLP (Digital Light Processing) projection TV.
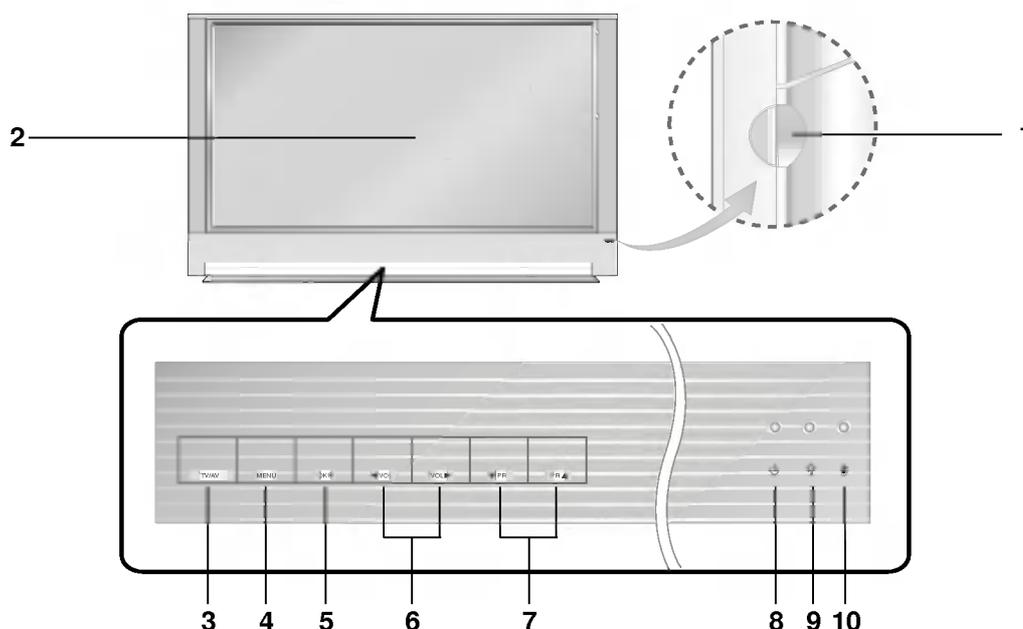
1. **MAIN POWER (ON/OFF)**
   switches the set on or off.

2. **REMOTE CONTROL SENSOR**

3. **TV/AV**
   selects the remote operating mode.
   switches the set on from standby.

4. **MENU**
   selects a menu.

5. **OK**
   accepts your selection or displays the current mode.

6. **◄ / ► (Volume Down/Up)**
   adjusts the volume.
   adjusts menu settings.

7. **▲ / ▼ (Programme Up/Down)**
   selects a programme or a menu item.
   switches the set on from standby.

8. **OPERATION INDICATOR** (Refer to p.7)

9. **LAMP INDICATOR** (Refer to p.7)

10. **TEMPERATURE INDICATOR** (Refer to p.7)

Note : *There might be a faint white trace on the center of the screen according to the position. This is normal and is a characteristic of the screen.*

Location and function of controls

Rear panel

VIDEO3 INPUT SOCKET

S-VIDEO INPUT SOCKET

RGB INPUT SOCKETS

AERIAL SOCKET
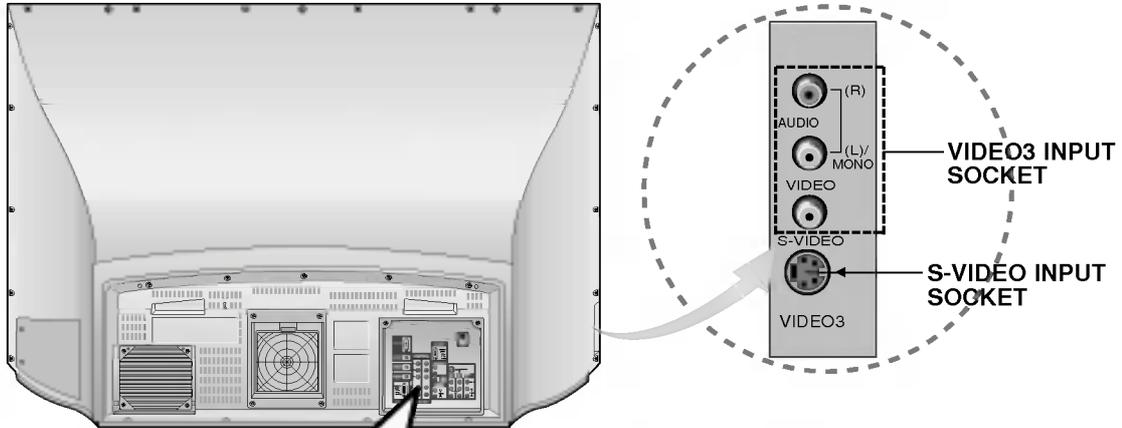
UPGRADE PORT
This port is used to upgrade the software version and debug without changing the hardware. Be careful not to use this port. Just contact your dealer or service centre.

RGB/DVI INPUT
Connect the monitor output connector from a PC to the appropriate input port.

DIGITAL AUDIO OPTI-CAL OUTPUT/ DIGITAL AUDIO OPTI-CAL INPUT1 (COMPO-NENT2)/DIGITAL AUDIO OPTICAL INPUT2 (DVI)
Connect digital audio from various types of equipment.
Note: In standby mode, these ports will not work.

VIDEO1/2 / MONITOR OUT(AUDIO/VIDEO), S-VIDEO INPUT SOCKETS

VARIABLE AUDIO OUT SOCKETS

DTV/DVD INPUT SOCKETS

•Status Indicators

	Off	Power cord is not connected.
Operation Indicator	Red	Power Cord is connected, unit is on standby.
	Green	On
	Orange (flashing)	Preparing operation in standby.
Lamp Indicator	Orange	Projection lamp is reaching the end of its life and needs to be replaced with a new lamp.
	Green (flashing)	The lamp cover is not closed.
Temperature Indicator	Orange	The set is overheating.
	Red	The set has shut down due to overheating.
	Red (flashing)	The set has shut down, check the cooling fan.

Basic Operation
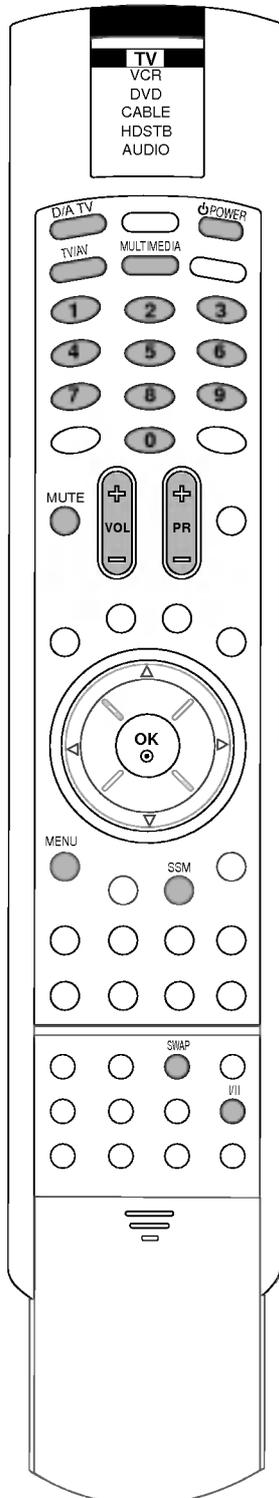
On and off

1. Before turning the set on, be sure that the main power switch on the set is pushed on.
   When the main switch is pushed on, the LED will be lit up red. This mode is Stand-by.
2. If the set is in stand-by mode, press the **POWER, D/A TV, PR+/-, TV/AV, MULTIMEDIA** or NUMBER button on the remote control handset to turn it on fully. The LED will blink orange for a while and then lit up green when the power is successfully on.
3. To turn the set off, press the power button on the remote control handset. The set reverts to the stand-by mode.

Note :
a. *The lamp cooling fan will continue to spin for approximately 120 seconds after the power is turned off by the remote control handset.*
b. *Normally, don't push off the main power switch. Instead, use the remote control to turn the power off.*
c. *When the set is turned on again immediately after turning off, it takes around 30 to 50 seconds for sufficient cooling.*
d. *When the power is switched off using the main power switch on the set, the internal cooling system also stops operating. Therefore, power-on by main power switch takes around 30 to 50 seconds for sufficient cooling.*
e. *Forced Power-Off : When the set decides itself that the circumstance is not proper for operation, the set will goes to the standby mode automatically. Please retry to turn on the set after a short period of time.*
f. *When the set is switched on, there might be a strange sound from the set.*

Programme selection

You can select a programme number with the **PR+/-** or NUMBER buttons.

Volume adjustment

Press the **VOL+/-** button to adjust the volume.

Mute function

Press the **MUTE** button. The sound is switched off and the display ⏀-Mute appears.
You can cancel it by pressing the **MUTE, VOL+/-, SSM, I/II** button.

On Screen Menus

The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

Menu selection

1. Press the **MENU** button and then ▲ / ▼ button to display each menu.
2. Press the ► button and then the ▲ / ▼ button to select a menu item.
3. Repeatedly press the **MENU** button to return to normal TV viewing.

SETUP menu

PICTURE menu

LOCK menu

AUDIO menu

SPECIAL menu

TIME menu
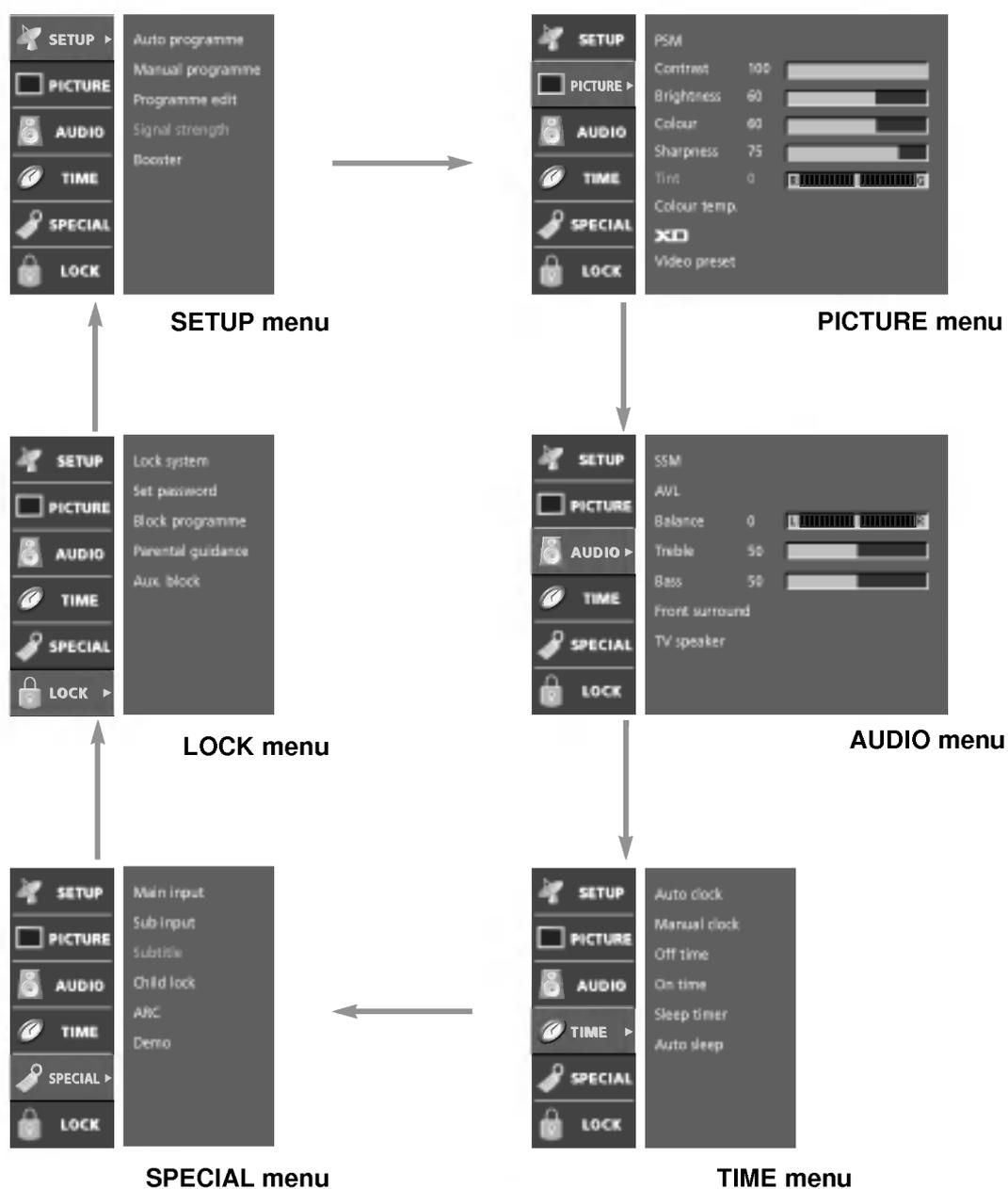
SETUP Menu
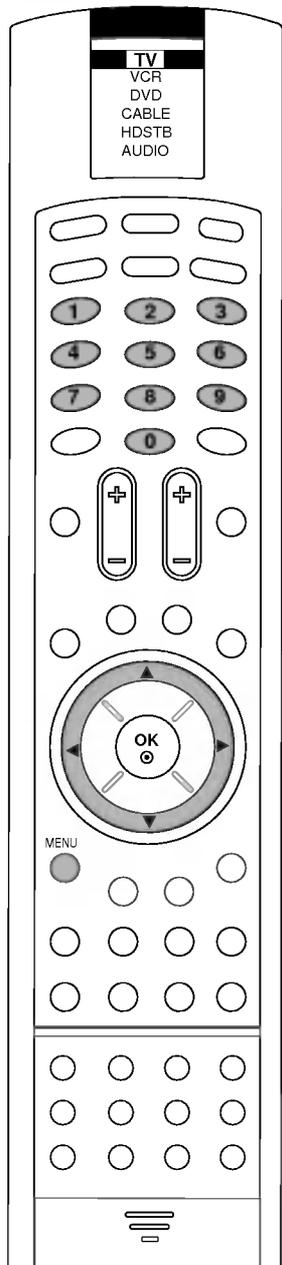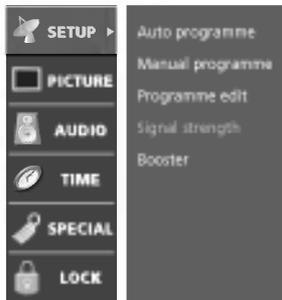
Up to 100 TV stations can be stored in this set by programme numbers (0 to 99). Once you have preset the stations, you will be able to use the ▲ / ▼ or NUMBER buttons to scan the stations you programmed. Stations can be tuned using automatic or manual modes.

Auto programme tuning

All stations that can be received are stored by this method. It is recommended that you use auto programme during installation of this set.

1. Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then ▲ / ▼ button to select **Auto programme**.

3. Press the ► button to select **Storage from**. Select the beginning programme number with the ▲ / ▼ button or NUMBER buttons on the **Storage from** menu.
4. Press the ► button to select **To start**.
5. Press the ► button to begin auto programming.

All receivable stations are stored.

Option: In Australia, if no station name can be assigned to a station, the channel number is assigned and stored as ----- followed by a number see 'Assigning a station name' section to assign the station name.

To stop auto programming, press the **MENU** button.
When auto programming is completed, the **Programme edit** menu appears on the screen. See the 'Programme Edit' section to edit the stored programme.

6. Repeatedly Press the **MENU** button to return to normal TV viewing.

Note :
a. *To begine auto programming or manual programming, input a 4-digit password in Lock system on. Be sure to remember this number!*
b. *If you forgot your password, press '7', '7', '7', '7' on the remote control handset.*

SETUP Menu

Manual programme tuning

Manual programme lets you manually tune and arrange the stations in whatever order you desire. Also you can assign a station name with five characters to each programme number.

1. Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then ▲ / ▼ button to select **Manual programme**.
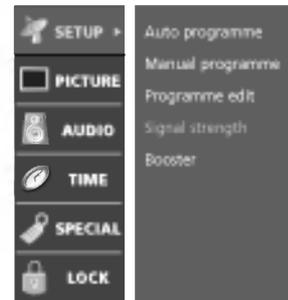
3. Press the ► button to select **Band**. Press the ▲ / ▼ button to select **V/UHF** or **Cable** as required.
4. Press the ► button to select **Channel**. Select the desired channel number with the ▲ / ▼ button.
5. Press the ► button to select **Search**. Press the ▲ / ▼ button to commence searching. If a station is found the search will stop.
6. If this station is the one required, press the ◄ / ► button to select **Storage**. Select the desired programme number with the ▲ / ▼ button.
7. Press the **OK** button to store it.
8. To store another station, repeat steps 3 to 8.
9. Repeatedly press the **MENU** button to return to normal TV viewing.

Assigning a station name
1. Repeat the 'Manual programme tuning' steps 1 to 2.
2. Press the ► button to select **Name**.
3. Press the ▲ button. You can use a blank, +, -, the numeric **0** to **9** and the alphabet **A** to **Z**.
   With the ▼ button you can select in the opposite direction.
4. Select the next position by pressing the ► button and then take your choice of the second character, and so on.
5. Press the **OK** button.
6. Repeatedly press the **MENU** button to return to normal TV viewing.
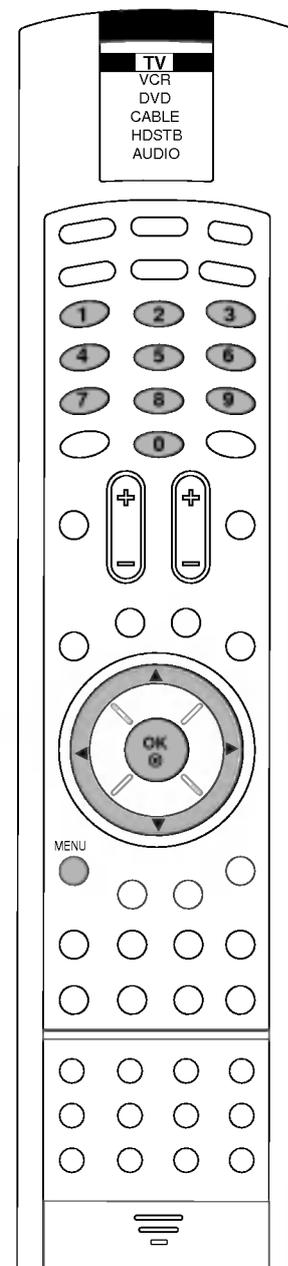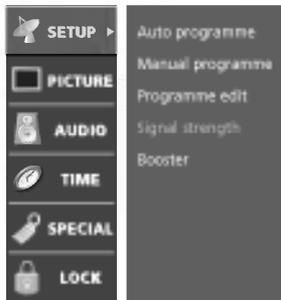
SETUP Menu

Booster (option)

If the reception is poor at the fringed area of TV signal, select **Booster** to **On**. When the picture condition is good, do not select **Booster** to **On**.

1. Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then ▲ / ▼ button to select **Booster**.
3. Press the ► button and then ▲ / ▼ button to select **On** or **Off** on the **Booster** pull-down menu.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

Fine tuning

Normally fine tuning is only necessary if reception is poor.

1. Repeat the 'Manual programme tuning' steps 1 to 2.
2. Press the ► button to select **Fine**.
3. Press the ▲ / ▼ button to fine tune for the best picture and sound.
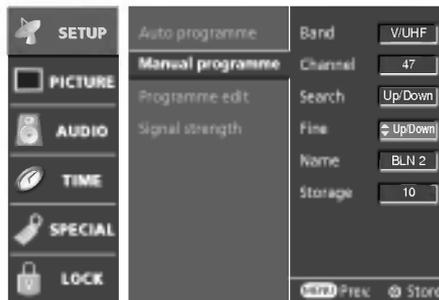
4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.
   The finely tuned programme will be indicated by yellow number during programme selection.

Digital signal strength (In Digital mode only)

Reveals how strong your DTV signal is and whether you need to adjust your antenna.
The higher the signal strength, the less likely you are to experience picture degradation.
Digital DTV Signals; May not be available in all areas, nor are broadcast on all programs.

1. Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then ▲ / ▼ button to select **Signal strength**.
   View the on-screen signal strength monitor to see the quality of the signal being received.
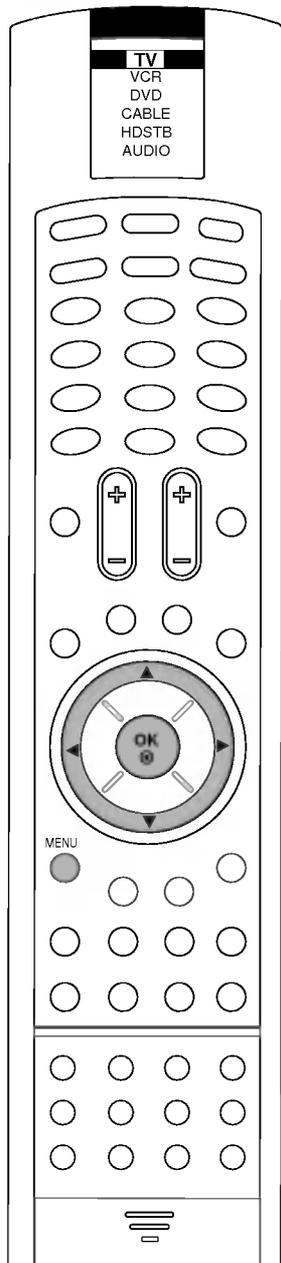
SETUP Menu

Programme edit

This function enables you to delete or skip the stored programs. Also you can move some stations to other programme numbers or copy a blank station data into the selected programme number.

1. Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then ▲ / ▼ button to select **Programme edit**.
3. Press the ► button to display the **Programme edit** menu.
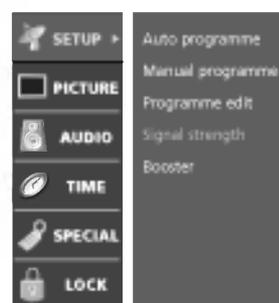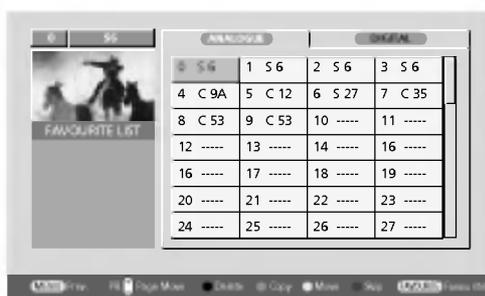
Deleting a programme
1. Select a programme to be deleted with the ▲ / ▼ or ◄ / ► button.
2. Press the **RED** button twice.
   The selected programme is deleted, all the following programs are shifted up one position.

Copying a programme
1. Select a programme to be copied with the ▲ / ▼ or ◄ / ► button.
2. Press the **GREEN** button.
3. Move the programme to the desired programme number with the ▲ / ▼ or ◄ / ► button.
4. Press the **GREEN** button again to move the programme.
   All the following programs are shifted down one position.

Moving a programme
1. Select a programme to be moved with the ▲ / ▼ or ◄ / ► button.
2. Press the **YELLOW** button.
3. Move the programme to the desired programme number with the ▲ / ▼ or ◄ / ► button.
4. Press the **YELLOW** button again to release this function.

Skipping a programme number
1. Select a programme number to be skipped with the ▲ / ▼ or ◄ / ► button.
2. Press the **BLUE** button. The skipped programme turns to blue.
3. Press the **BLUE** button again to release the skipped programme.
   When a programme number is skipped it means that you will be unable to select it using the ▲ / ▼ button during normal TV viewing. If you want to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or table menu.

Selecting favourite programme
1. Select your favourite programme number by pressing ▲ / ▼ or ◄ / ► buttons and then press the **FAVOURITE** button.
   It will automatically includes the selected programme into your favourite programs list and heart-mark will appear in back of that programme number. You can store up to 10 programs.

Repeatedly press the **FAVOURITE** button to select stored favourite programs in normal TV viewing.
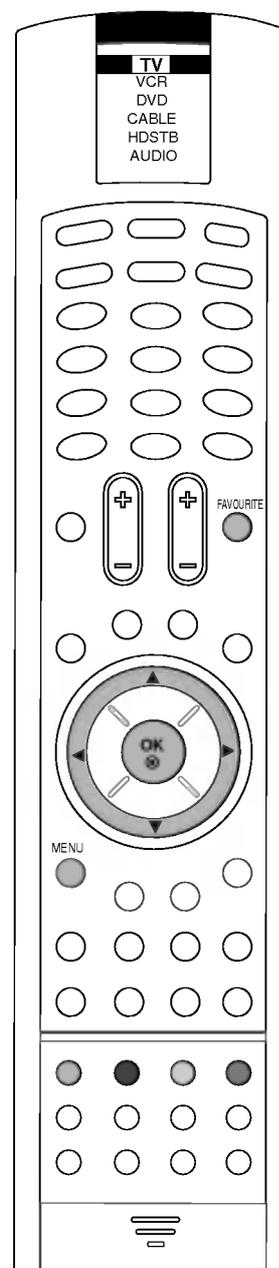
SETUP Menu

Calling the programme table

You can check the programs stored in the memory by displaying the programme table.

Displaying programme table
Press the **LIST** button to display the Programme table menu.
The programme table appears on the screen.

		ANALOGUE		DIGITAL
0 S 6	1 S 6	2 S 6	3 S 6	
4 C 9A	5 C 12	6 S 27	7 C 35	
8 C 53	9 C 53	10 -----	11 -----	
12 -----	13 -----	14 -----	16 -----	
16 -----	17 -----	18 -----	19 -----	
20 -----	21 -----	22 -----	23 -----	
24 -----	25 -----	26 -----	27 -----	

Exit   ◇ Select   PR Page Move
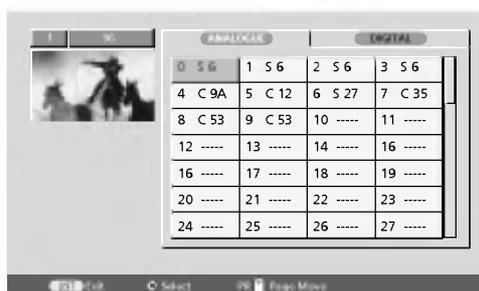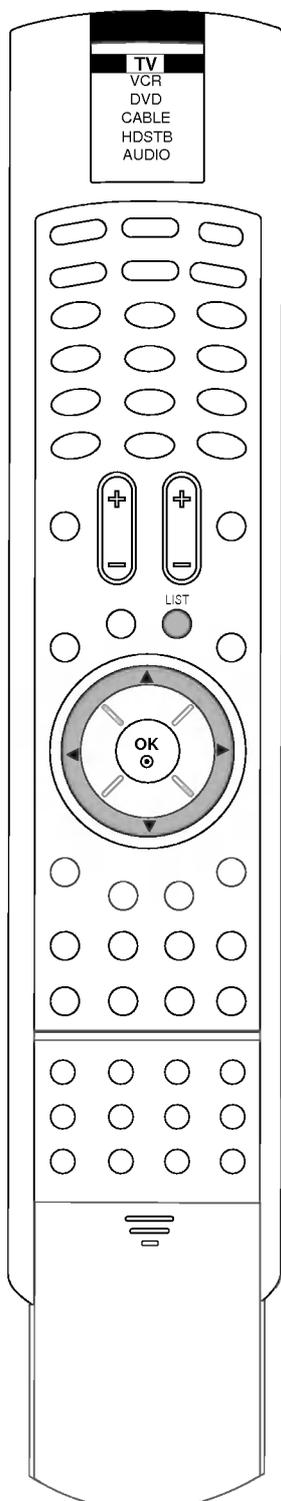
Note :
a. *You may find some blue highlighted programs shown. They have been set up in the programme edit mode.*
b. *Some programs with the channel number shown in the programme table indicate there is no station name assigned.*

Selecting a programme in the programme table
Select a programme with the ▲ / ▼ or ◄ / ► button.
The set switches to the chosen programme number.

Paging through a programme table
There are 4 programme table pages in which contain 100 programs.
Pressing the ▲ / ▼ or ◄ / ► button repeatedly turns the pages.

Press the **LIST** button to return to normal TV viewing.

TV
VCR
DVD
CABLE
HDSTB
AUDIO

LIST

OK

PICTURE Menu

PSM (Picture Status Memory)

1. Press the **MENU** button and then ▲ / ▼ button to select the PIC-TURE menu.
2. Press the ► button and then ▲ / ▼ button to select **PSM**.
3. Press the ► button and then ▲ / ▼ button to select a picture setting on the **PSM** pull-down menu.

```
SETUP       PSM          ►   Dynamic
PICTURE     Contrast         √Standard
            Brightness       Mild
AUDIO       Colour           Game
            Sharpness        User
TIME        Tint
SPECIAL     Colour temp.
            XD
LOCK        Video preset
            Prev.
```
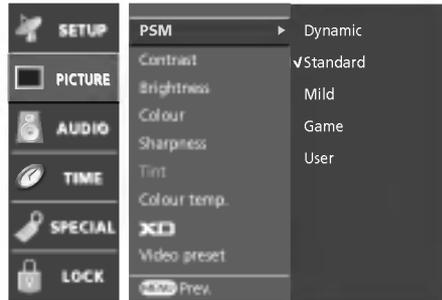
4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Picture adjustment

You can adjust picture contrast, brightness, colour intensity, sharpness and tint (NTSC AV, COMPONENT 60Hz mode only) to the levels you prefer.

1. Press the **MENU** button and then ▲ / ▼ button to select the PIC-TURE menu.
2. Press the ► button and then ▲ / ▼ button to select the desired picture item.
3. Press the ► button and then ◄ / ► button to make appropriate adjustments, then it will be stored for the picture User.

```
SETUP
PICTURE     Contrast    100 ◄            ►
AUDIO
TIME
SPECIAL
LOCK
```
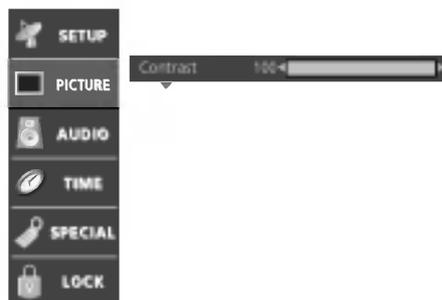
4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Note : *The adjustment for PICTURE menu (contrast, brightness, colour, sharpness and tint) affect both the main and sub picture in PIP or Twin Picture mode.*

To recall your preferred setting, press the **PSM** button until the desired picture (**Dynamic**, **Standard**, **Mild**, **Game** or **User**) appears. The picture **Dynamic**, **Standard**, **Mild** and **Game** are programmed for good picture reproduction at the factory and cannot be changed.
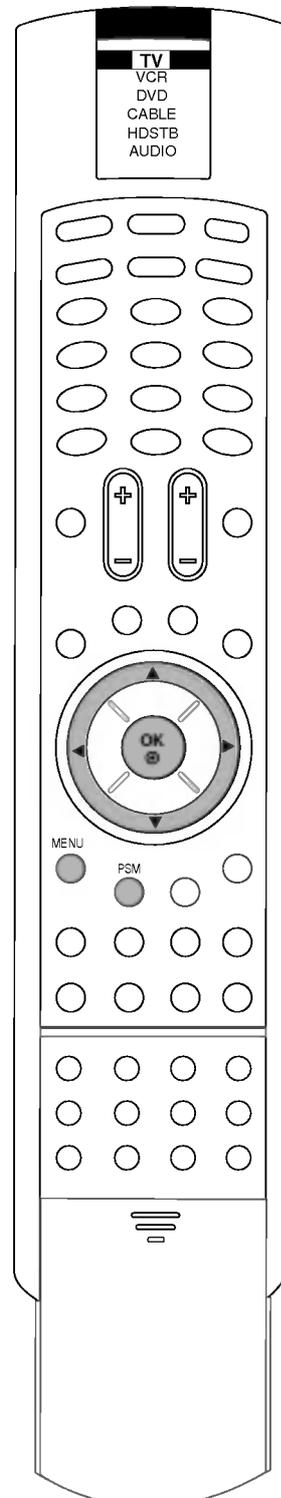
PICTURE Menu

Adjusting Auto Colour Control

Choose one of three automatic colour adjustments. Set to warm to enhance hotter colours such as red, or set to cool to see less intense colours with more blue.

1. Press the **MENU** button and then ▲ / ▼ button to select the PIC-TURE menu.
2. Press the ► button and then ▲ / ▼ button to select **Colour temp.**.
3. Press the ► button and then use ▲ / ▼ button to select the desired colour temperature.
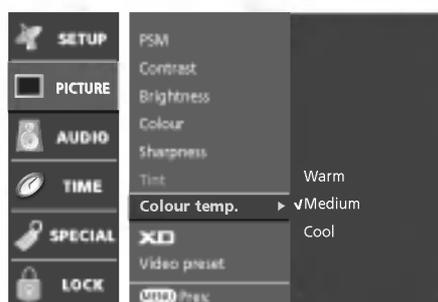
4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

XD

You can enjoy the vivid and hi-definition picture with LG's excellent Digital Reality processor technology.

1. Press the **MENU** button and then ▲ / ▼ button to select the PICTURE menu.
2. Press the ► button and then ▲ / ▼ button to select **XD**.
3. Press the ► button and then ▲ / ▼ button to select **On** or **Off** on the **XD** pull-down menu.
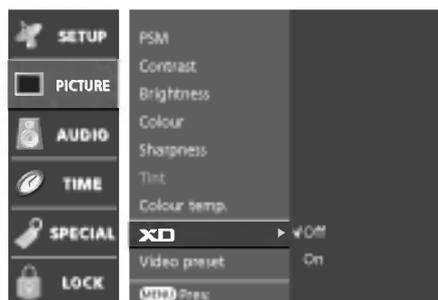
4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Video preset

Use to quickly reset all the picture menu options to their original factory preset values.
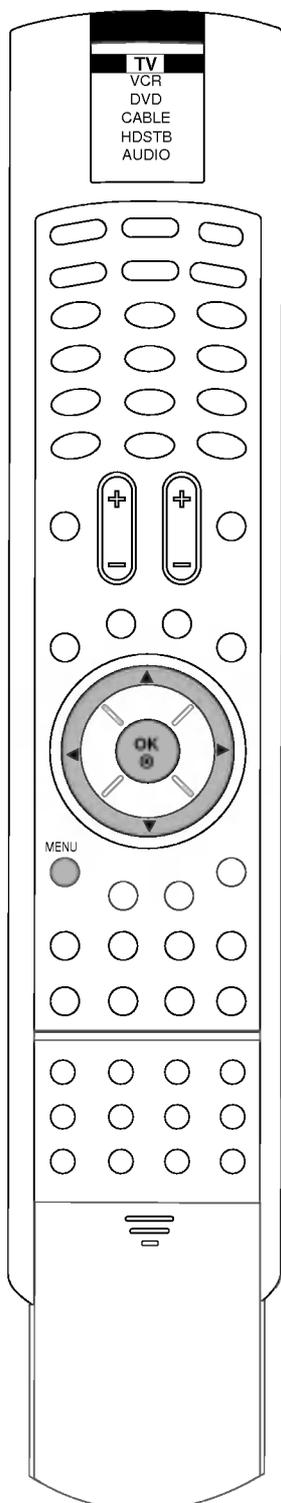
AUDIO MENU

SSM (Sound Status Memory)

You can select your preferred sound setting; Standard, Music, Movie, or Speech and you can also adjust the sound frequency of equalizer, balance. If you switch AVL to on, the set automatically keeps on an equal volume level even if you change programs.

1. Press the **MENU** button and then ▲ / ▼ button to select the AUDIO menu.
2. Press the ▶ button and then ▲ / ▼ button to select **SSM**.
3. Press the ▶ button and then ▲ / ▼ button to select a sound setting on the **SSM** pull-down menu.

SETUP	SSM	▶ ✔ Standard
PICTURE	AVL	Music
	Balance	Movie
AUDIO	Treble	Speech
	Bass	User
TIME	Front surround	
SPECIAL	TV speaker	
LOCK	⬛ Prev.	
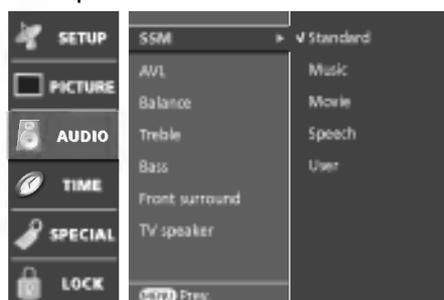
4. Press the **OK** or ◀ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

To recall your preferred setting, press the **SSM** button until the desired sound (**Standard**, **Music**, **Movie**, **Speech** or **User**) appears. The sound **Standard**, **Music**, **Movie** and **Speech** are programmed for good sound reproduction at the factory and cannot be changed.

Note : *If you press the **SSM** button after making appropriate adjustment on the **User** sub menu, the display User automatically appears even though you have already set a factory preset setting;* ***Standard***, ***Music***, ***Movie*** *or* ***Speech***.

AVL (Auto Volume Leveler)

If you select **AVL On**, the set automatically keeps on an equal volume level even if you change programs.

1. Press the **MENU** button and then ▲ / ▼ button to select the AUDIO menu.
2. Press the ▶ button and then ▲ / ▼ button to select **AVL**.
3. Press the ▶ button and then ▲ / ▼ button to select **On** or **Off** on the **AVL** pull-down menu.

SETUP	SSM	
PICTURE	AVL	▶ ✔ Off
	Balance	On
AUDIO	Treble	
	Bass	
TIME	Front surround	
SPECIAL	TV speaker	
LOCK	⬛ Prev.	
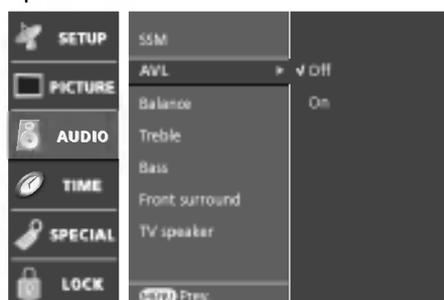
4. Press the **OK** or ◀ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.
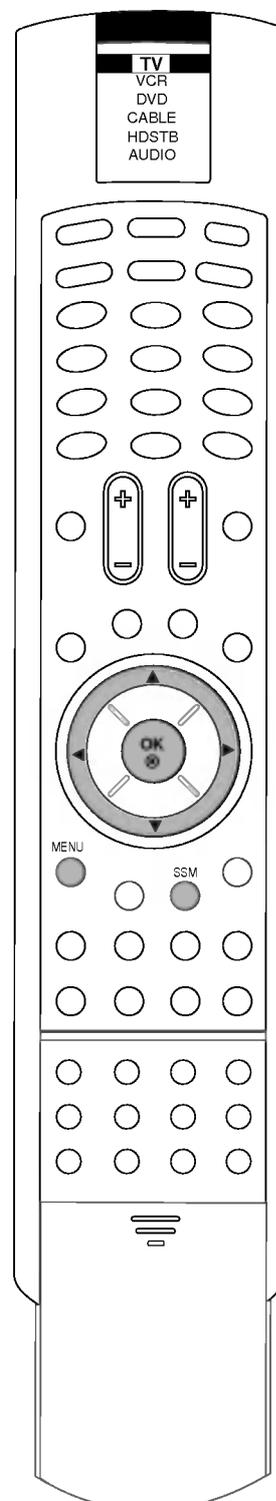
AUDIO MENU

Adjusting Sound Control

1. Press the **MENU** button and then ▲ / ▼ button to select the AUDIO menu.
2. Press the ► button and then use ▲ / ▼ button to select the desired sound item.
3. Press the ► button and then use ◄ / ► button to make appropriate adjustments.

4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Front surround

1. Press the **MENU** button and then ▲ / ▼ button to select the AUDIO menu.
2. Press the ► button and then ▲ / ▼ button to select **Front surround**.
3. Press the ► button and then ▲ / ▼ button to select **Off** or **SRS TruSurround XT** on the **Front surround** pull-down menu.
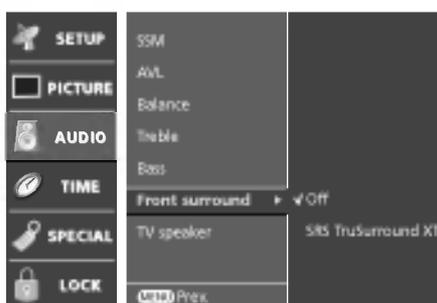
SRS TruSurround XT
Takes advantage of any multi-channel format without needing to add extra speakers or equipment. Dialog clarity, bass enrichment, and the addition of stereo audio enhancement that produces an immersive sound experience from standard stereo material.

6. Press the **OK** button.
7. Repeatedly press the **MENU** button to return to normal TV viewing.

SRS(●) is a trademark of SRS Labs, Inc.
TruSurround XT technology is incorporated under license from SRS Labs, Inc.

AUDIO MENU

Speaker adjustment

You can adjust internal speaker status.

1. Press the **MENU** button and then ▲ / ▼ button to select the AUDIO menu.
2. Press the ► button and then ▲ / ▼ button to select **TV speaker**.
3. Press the ► button and then ▲ / ▼ button to select **Off**, **Center** or **On** on the **TV speaker** pull-down menu.
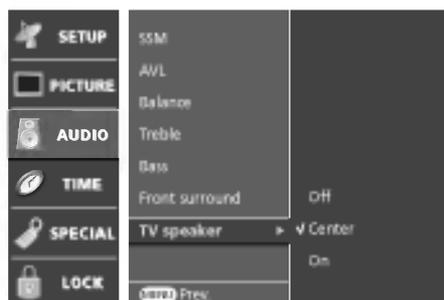
SETUP	SSM	
PICTURE	AVL	
	Balance	
AUDIO	Treble	
	Bass	
TIME	Front surround	Off
SPECIAL	TV speaker ►	√ Center
		On
LOCK	Prev.	

4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Note :
*a. Allows you to toggle the TV internal speakers **Off**, **Center** or **On**. If you want to use your external hi-fi stereo system, turn off the internal TV speakers. However, you may use the internal TV speakers as a center speaker to create a surround effect.*
*b. In **AV**, **RGB-PC/DTV** and **DVI-PC/DTV** mode, internal speaker/variable audio can be output even though there is no video signal.*

Sound output selection (In Analogue mode only)

In AV mode, you can select output sound for the left and right loudspeakers.

Repeatedly press the **I/II** button to select the sound output.
L+R : Audio signal from audio L input is sent to the left loud speaker and audio signal from audio R input is sent to the right loud speaker.
L+L : Audio signal from audio L input is sent to left and right loudspeakers.
R+R : Audio signal from audio R input is sent to left and right loudspeakers.

Stereo reception (In Analogue mode only)

When a programme is selected, the sound information for the station appears after the programme number and station name disappear.

Broadcast	On Screen Display
Mono	**MONO**
Stereo	**MONO** / **STEREO**

Mono sound selection
In stereo reception if the stereo signal is weak, you can switch to mono by pressing the **I/II** button twice. In mono reception the depth of sound is improved. To switch back to stereo, press the **I/II** button twice again.
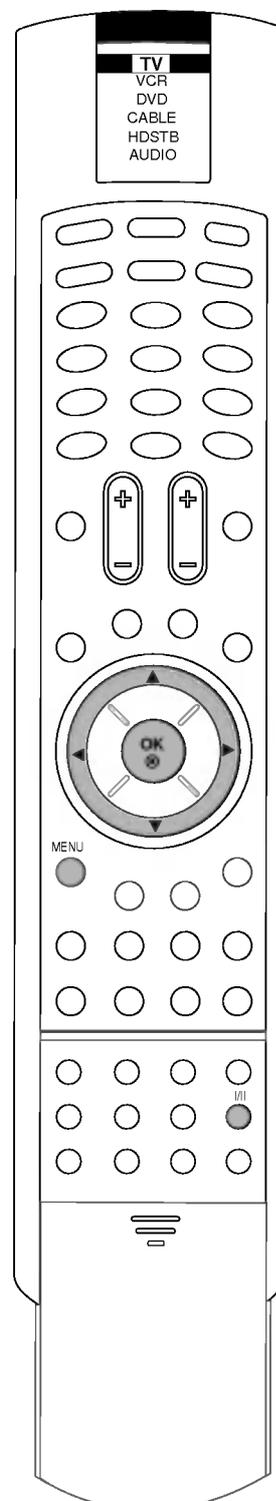
TIME MENU
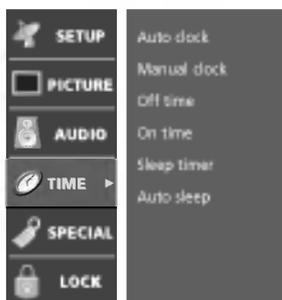
Auto clock setup

The time is automatically from a digital channel signal.
The digital channel signal includes information for the current time provided by the broadcasting station.
Set the clock manually, if the current time is set incorrectly by the auto clock function.

1. Press the **MENU** button and then ▲ / ▼ button to select the Time menu.
2. Press the ► button and then ▲ / ▼ button to select **Auto clock**.
3. Press the ► button and then ▲ / ▼ button to select **On**.
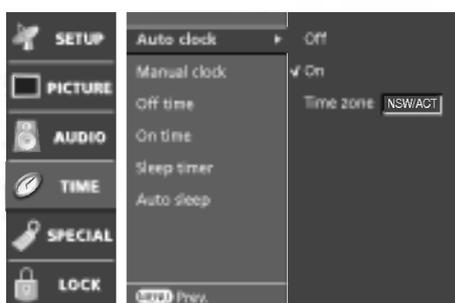
4. Press the ► button and then ▲ / ▼ button to select your viewing area time zone; **NSW/ACT**, **NT**, **TAS**, **WA**, **SA**, **QLD**, or **VIC**.
5. Press the **OK** or ◄ button.
6. Repeatedly press the **MENU** button to return to normal TV viewing.

Manual clock setup

If current time setting is wrong, reset the clock manually.

1. Press the **MENU** button and then ▲ / ▼ button to select the Time menu.
2. Press the ► button and then ▲ / ▼ button to select **Manual clock**.
3. Press the ► button and then ◄ / ► button to select either the year, date, or time option.
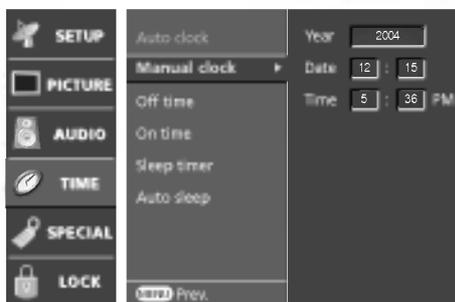
Once selected, use the ▲ / ▼ button to set year, date, and time options.
4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.
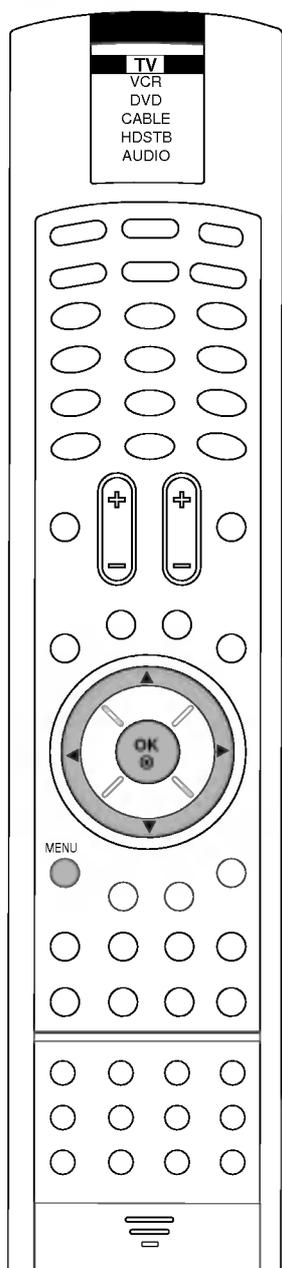
TIME MENU

Setting the On/Off time

Timer function operates only if current time has been already set.
Off Time function overrides on Time function if they are set to the same time.
The set must be in standby mode for the On Time to work.
Two hours after the set is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.

1. Press the **MENU** button and then ▲ / ▼ button to select the Time menu.
2. Press the ► button and then use ▲ / ▼ button to select **Off time** or **On time**.
3. Press the ► button and then use ▲ / ▼ button to select **On**.
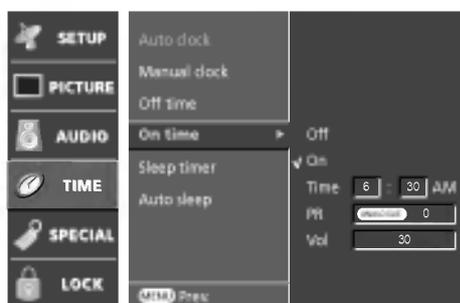
To cancel **On/Off time** function, select **Off**.
4. Press the ► button and then use ▲ / ▼ button to adjust the hour.
5. Press the ► button and then use ▲ / ▼ button to adjust the minute.
6. **Only On time function**; Press the ► button and then use ▲ / ▼ button to adjust programme number or volume level.
7. Press the **OK** or ◄ button.
8. Repeatedly press the **MENU** button to return to normal TV viewing.
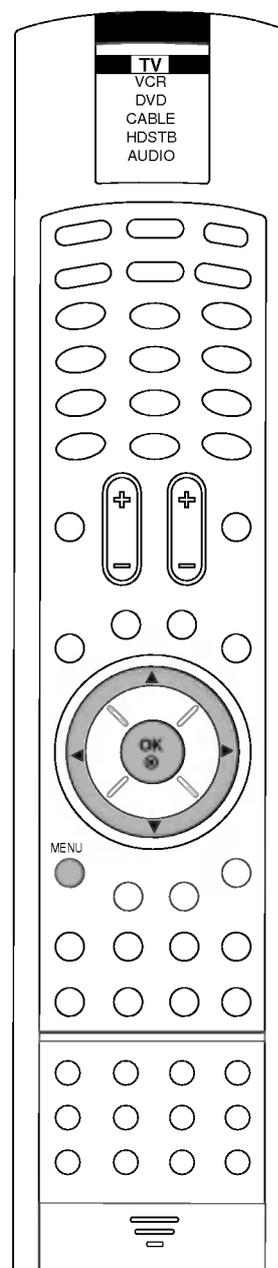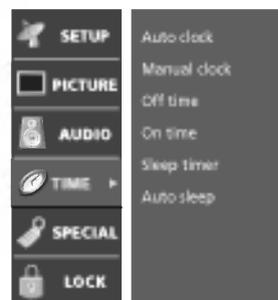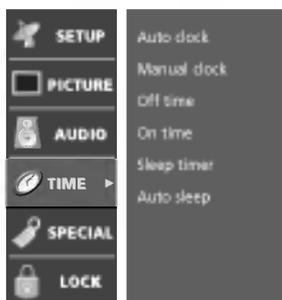
TIME MENU

Sleep timer

You don't have to remember to switch the set off before you go to bed. The sleep timer automatically switches the set to standby after the preset time elapses.

1. Press the **MENU** button and then ▲ / ▼ button to select the Time menu.
2. Press the ► button and then ▲ / ▼ button to select **Sleep timer**.
3. Press the ► button and then ▲ / ▼ button to select a timer setting on the **Sleep timer** pull-down menu.
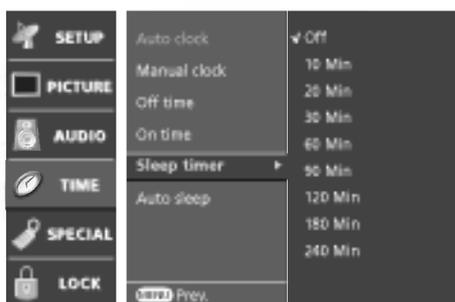
4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Press the **SLEEP** button to select the number of minutes. The display will appear on the screen, followed by **10**, **20**, **30**, **60**, **90**, **120**, **180** and **240**. The timer begins to count down from the number of minutes selected.

Note :
a. *To view the remaining sleep time, press the **SLEEP** button once.*
b. *To cancel the sleep time, repeatedly press the **SLEEP** button until the display **Off** appears.*
c. *When you switch the set off, the set releases the preset sleep time.*

Auto sleep

If there is no input signal, the set will turn off automatically after 10 minutes.

1. Press the **MENU** button and then ▲ / ▼ button to select the Time menu.
2. Press the ► button and then ▲ / ▼ button to select **Auto sleep**.
3. Press the ► button and then ▲ / ▼ button to select **On** or **Off**.
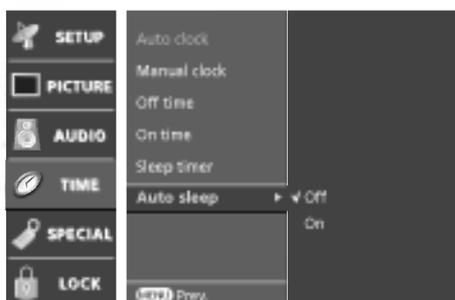
4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.
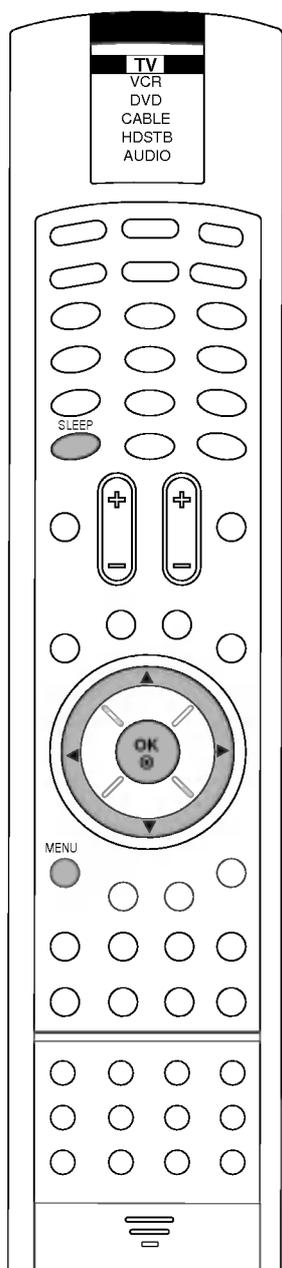
SPECIAL MENU

Main Picture Source Selection

Inputs can be set for TV, AV, Component or RGB-PC mode. AV mode is used when a video cassette recorder (VCR), or other equipment is connected to the set.

Note : *When a VCR is connected via the aerial socket the set is used in TV mode. See the 'Connection of external equipment' section.*

1. Press the **MENU** button and then ▲ / ▼ button to select the SPECIAL menu.
2. Press the ► button and then ▲ / ▼ button to select **Main input**.
3. Press the ► button and then ▲ / ▼ button to select **Digital**, **Analogue**, **Video 1**, **Video 2**, **Video 3**, **Component 1**, **Component 2**, **RGB-PC**, **RGB-DTV**, **DVI-PC** or **DVI-DTV**.

Video 1 : VCR connected to the **VIDEO1 INPUT** sockets of the set
Video 2 : VCR connected to the **VIDEO2 INPUT** sockets of the set
Video 3 : VCR connected to the **VIDEO3** sockets of the set
Component1/2 : DVD connected to the **DTV/DVD INPUT** sockets on the back of set
RGB-PC/DTV : PC or SET TOP box connected to the **RGB INPUT** sockets on the back of set
DVI-PC/DTV : PC or SET TOP box connected to the **DVI INPUT** sockets on the back of set
4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Alternatively you can select the TV, AV, Component, RGB-PC or DVI-DTV mode by pressing the **TV/AV** button.

In AV, Component, RGB-PC or DVI-DTV mode, to return to TV mode, press the **PR +/-** or NUMBER buttons.

Press the **D/A TV** button to select digital or analogue mode.
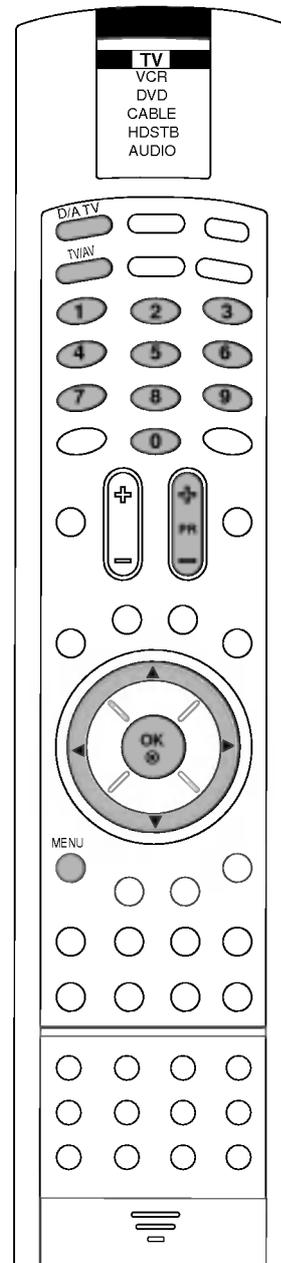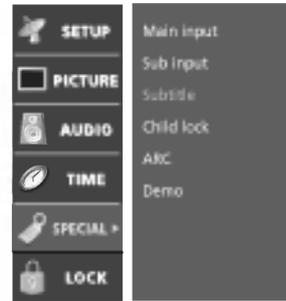
SPECIAL MENU
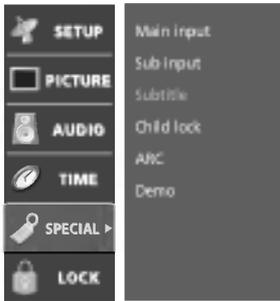
Subtitle (In DTV mode only)

1. Press the **MENU** button and then ▲ / ▼ button to select the SPECIAL menu.
2. Press the ► button and then ▲ / ▼ button to select **Subtitle**.
3. Press the ► button and then ▲ / ▼ button to select **On** or **Off** on the **Subtitle** pull-down menu.
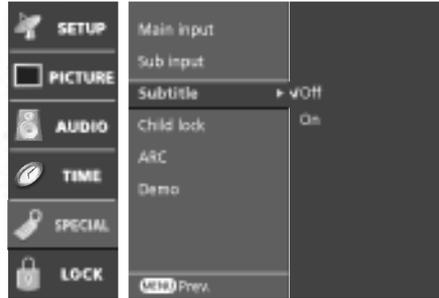
4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

You can select Subtitle on or off with the **TEXT** button in DTV mode.

Child Lock

The TV can be set so that the remote control handset is needed to control it. This feature can be used to prevent unauthorized viewing.

1. Press the **MENU** button and then ▲ / ▼ button to select the SPECIAL menu.
2. Press the ► button and then ▲ / ▼ button to select **Child lock**.
3. Press the ► button and then ▲ / ▼ button to select **On** or **Off**.
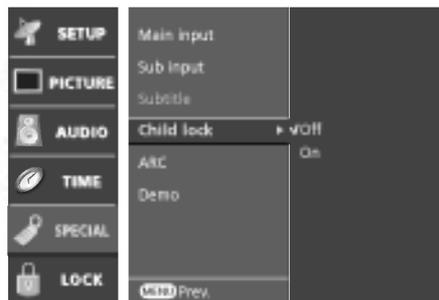
4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

With the lock on, the display **Child lock On** appears on the screen if any button on the front panel is pressed while viewing the TV.

Note : The display **Child lock On** *will not appear on the screen if any button on the front panel is pressed while displaying the menus.*
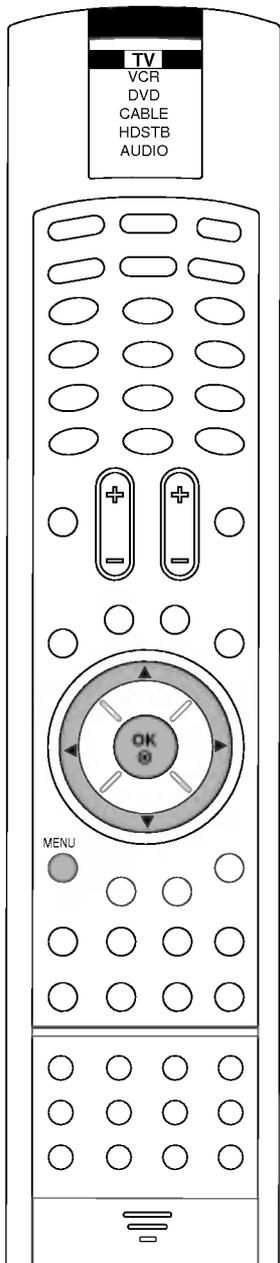
SPECIAL MENU

Picture format

You can watch TV in various picture formats; Auto, 4:3, 16:9 (Wide), 14:9, Zoom and Cinema zoom.
You can repeatedly press the **ARC** button to select your desired picture format.
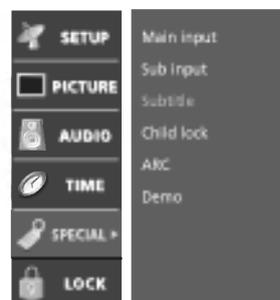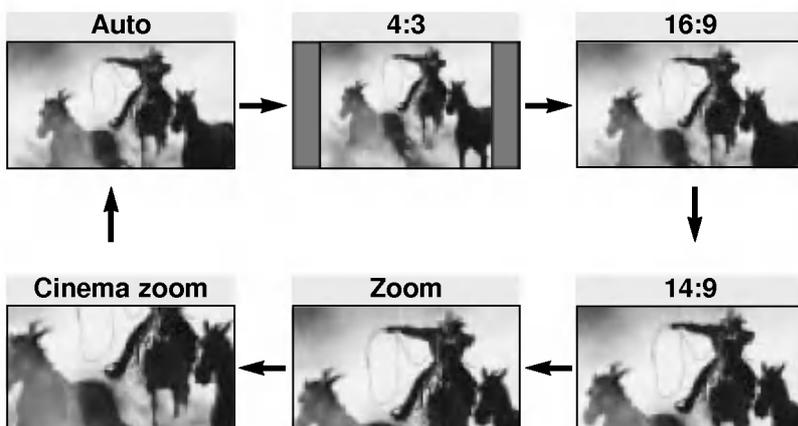
Note:

a.   You are available to 4:3 and 16:9 in DVI-PC and RGB-PC mode.

*b.   **Auto**: When your TV receives the wide screen signal, it will be automatically changed to the picture format to be sent. (Not available in all countries)*

c.   You can adjust the enlarge proportion of Cinema Zoom using ▲ / ▼ button. The adjustment range is 1 ~ 16.

Demo

Shows you how to navigate the TV's on-screen menus.

1.   Press the **MENU** button and then ▲ / ▼ button to select the SPECIAL menu.
2.   Press the ► button and then ▲ / ▼ button to select **Demo**.
3.   Press the ► button and then ▲ / ▼ button to select **Auto demo** or **XD demo** on the **Demo** pull-down menu.
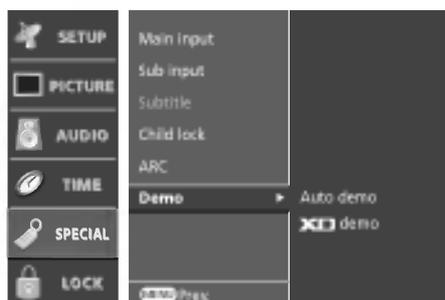
4.   Press the ► button to start.
     Auto demo : Use to scan the features and menu options avaiable on your TV.
     XD demo : Use to see the difference between XD Demo and XD Demo Off.
5.   Press the **EXIT** button to stop Demo.
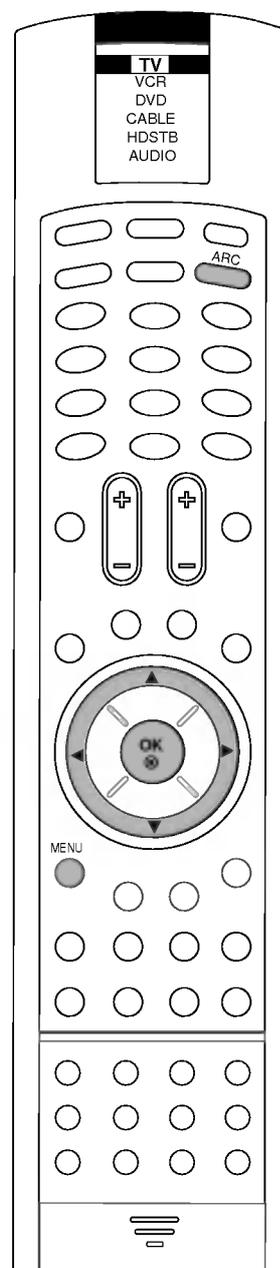
LOCK MENU
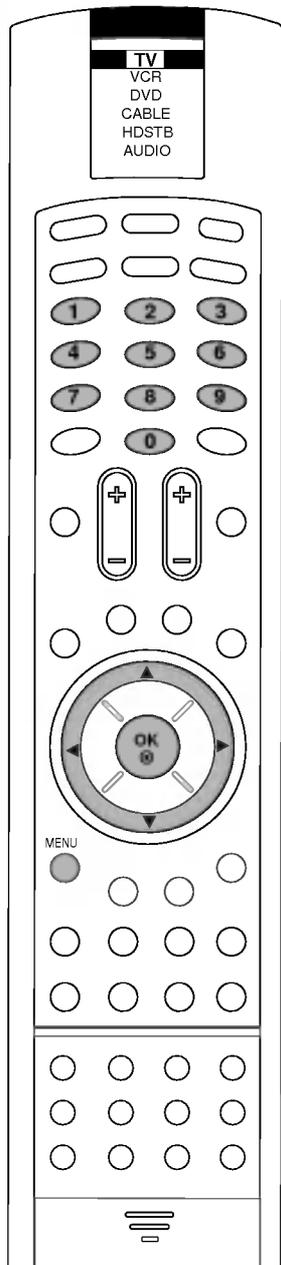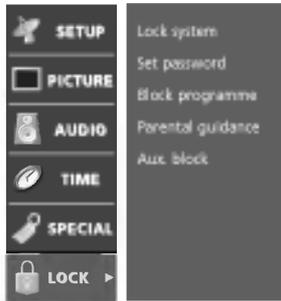
Lock setup

Lets you set up blocking schemes to block specific channels, ratings, and external viewing sources.
A password is required to gain access to this menu.

1. Press the **MENU** button and then ▲ / ▼ button to select the LOCK menu.
   Then, press the ► button to enter the password as requested.
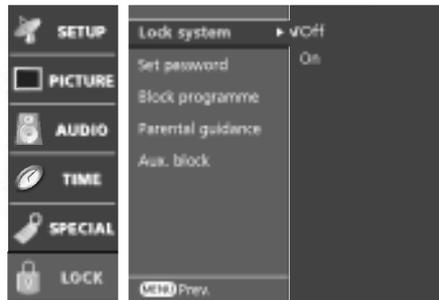
   The TV is set up with the initial password "0-0-0-0".

2. Use the ▲ / ▼ button to choose from the following Lock menu options. Once the option is selected, change the settings to your preference.

   Lock system
   Activates or disables the blocking scheme you set up previously.
   Set password
   Change the password by inputting a new password twice.
   Parental guidance (In DTV mode)
   Prevents children from watching certain children's TV programs, according to the ratings limit set.
   Aux. block
   Enables you to select a source to block from the external source devices you have hooked up.

4. Press the **OK** or ◄ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Note : If you forgot your password, press '7', '7', '7', '7' on the remote control handset.

Picture In Picture (PIP) Function

Option :
PIP (Picture in Picture) displays a picture within a picture.

On and off

Press the **PIP** button to switch on the sub picture.
Press **EXIT** button to switch it off.
Each press of **PIP** button changes the screen display as shown below.
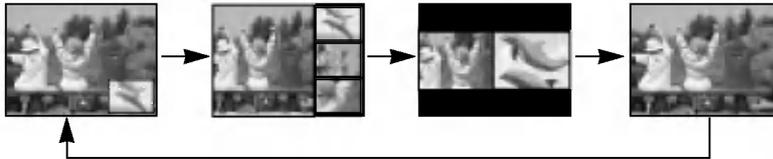
Note : *When the sub picture size is 1/2 of the main picture, the picture quality might get poor.*

Input mode selection for sub picture

Press the **PIP INPUT** button to select the input mode for the sub picture.

Each time this button is pressed, each input mode for the sub picture is displayed as shown below.

Main Picture Source	Available Sub Picture Source
Digital signal	Analogue, Video1, Video2, and Video3
Analogue Signal	Digital, Video1, Video2, and Video3

Note : *When the PIP function is switched on, you can also adjust it in the Special menu.*

Swapping between main and sub picture

Press the **SWAP** button to exchange the main and sub picture.

Note : *When the main picture is Digial, Analogue or AV modes, the swapping is available.*

Programme selection for sub picture

The sub picture programme selection is available when the sub picture is TV mode. Press the **PIP PR +/-** buttons to select a programme for the sub picture.

Sub picture position change

In PIP mode, press the ▲ / ▼ / ◄ / ► button to move the sub picture to a different location on the screen.
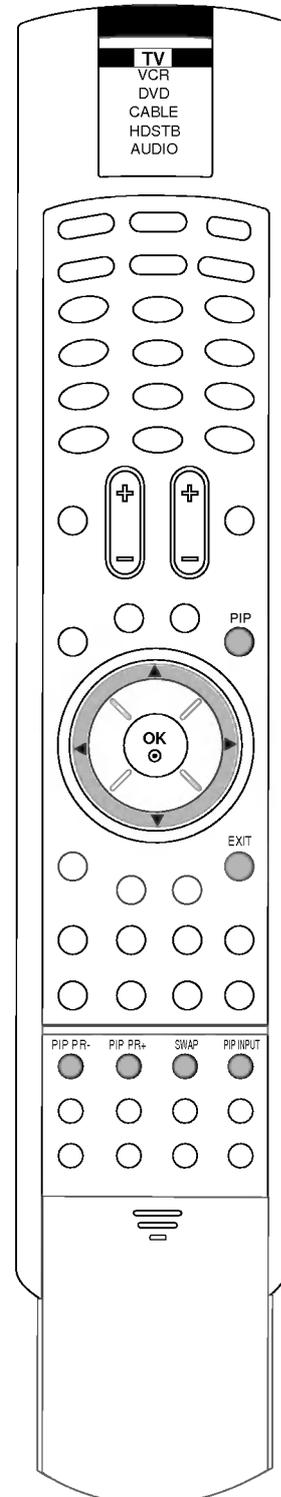
Teletext

Teletext (or TOP text) is an optional function, therefore only a set with the teletext system can receive the teletext broadcast.

Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programs, share prices and many other topics.

The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.
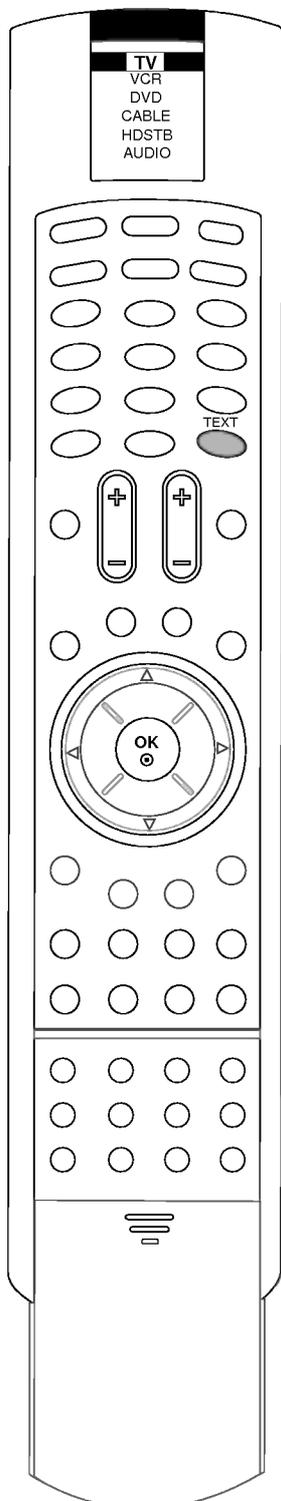
Switch on/off

Press the **TEXT** button to switch to teletext.
If TV and text picture are displayed half and half of the screen, press the **TEXT** button again to display text picture fully.
The initial page or last page appears on the screen.
Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.
Press the **TEXT** button to switch off teletext. The previous mode reappears.

Teletext

TOP text (option)

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

Block / group / page selection
1. With the blue button you can progress from block to block.
2. Use the yellow button to proceed to the next group with automatic overflow to the next block.
3. With the green button you can proceed to the next existing page with automatic overflow to the next group.
   Alternatively the ▲ button can be used.
4. The red button permits to return to previous selection. Alternatively the ▼ button can be used.

Direct page selection
Corresponding to the SIMPLE teletext mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode.

FASTEXT

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

Page selection
1. Press the ▤ button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
4. The ▲ / ▼ button can be used to select the preceding or following page.
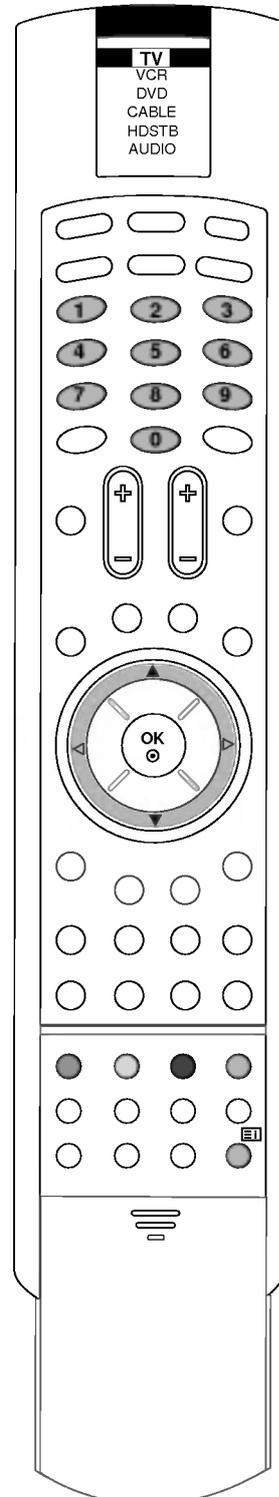
Teletext

Special teletext functions
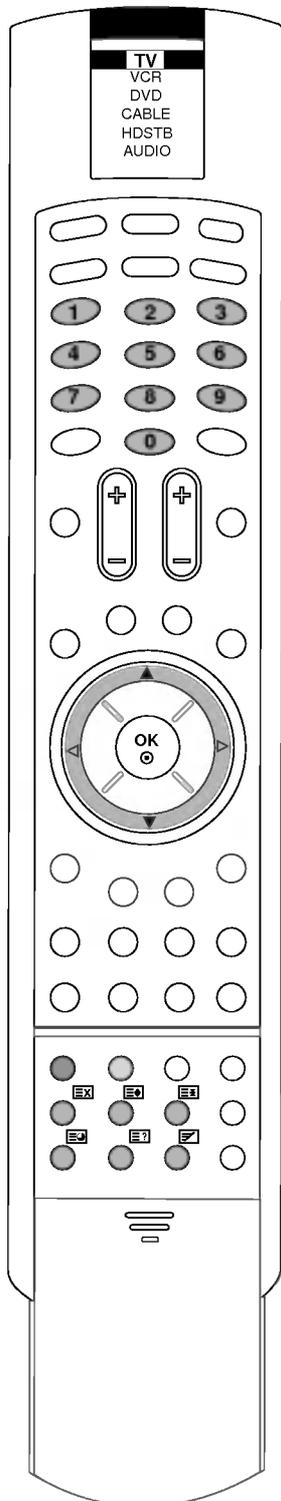
REVEAL
Press this button to display concealed information, such as solutions of riddles or puzzles.
Press this button again to remove the information from the display.

SIZE
Selects double height text.
Press this button to enlarge the top half of the page.
Press this button again to enlarge the bottom half of the page.
Press this button again to return to the normal display.

UPDATE
Displays the TV picture on the screen while waiting for the new teletext page.
Press this button to view the updated teletext page.

HOLD
Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inhibited.
To continue press this button again.

MIX
Displays the teletext pages superimposed on the TV picture.
To switch the TV picture off press this button again.
Note : When TV and text picture are displayed half and half of the screen, MIX function is not available.

TIME
This button has two functions:

a) When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display.
b) In teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/ GREEN or ▲ / ▼ or NUMBER buttons. Press this button again to exit this function.

Other functions

EPG (Electronic Programme Guide) (In Digital mode only)

This function can be used only when the EPG information is broadcasted by broadcasting companies.
This system has an Electronic Programme Guide (EPG) to help your navigation through all the possible viewing options.
The EPG supplies information such as programme listings, start and end times for all available services.
In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster).

Switch on/off EPG
1. Press the **GUIDE** button to switch on EPG.
2. Press the **GUIDE** button again to switch off EPG and return to TV viewing.

The Bold And The Beautiful		Mon Dec. 15 4:59 PM
11 TEN Digital 4:30PM~4:59PM		
The story of the glamerous ferrester family: ther loves, tragedies, triumphs and struggles for power in the fashion industry.		
TV	NOW	NEXT
11 TEN Digital	The Bold And The Beauti...	TEN News
12 TEN HD	The Bold And The Beauti...	TEN News
13 TEN Digital 1	No Information	No Information
14 TEN Digital 2	No Information	No Information
15 TEN Digital 3	No Information	No Information
16 TEN Digital 4	No Information	No Information
Pr. Change	Radio	More Info

Select a programme
Press the ▲ / ▼ , ◄ / ► button to select desired programme, then press the **OK** button to display the selected programme.

The Bold And The Beautiful	Mon Dec. 15 4:59 PM
11 TEN Digital 4:30PM~4:59PM	
The story of the glamerous ferrester family: ther loves, tragedies, triumphs and struggles for power in the fashion industry.	
	Back
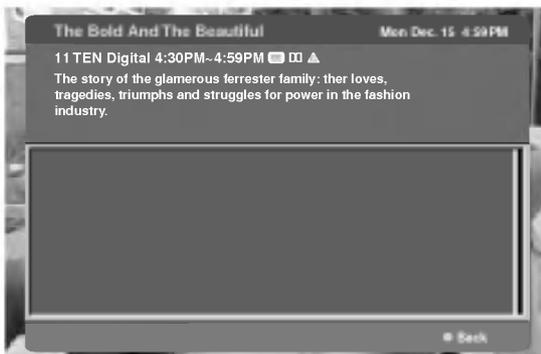
Color button operation

RED	shows the TV or RADIO programmes
GREEN	the detail infomation on or off

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Connection of PC

PERSONAL COMPUTER
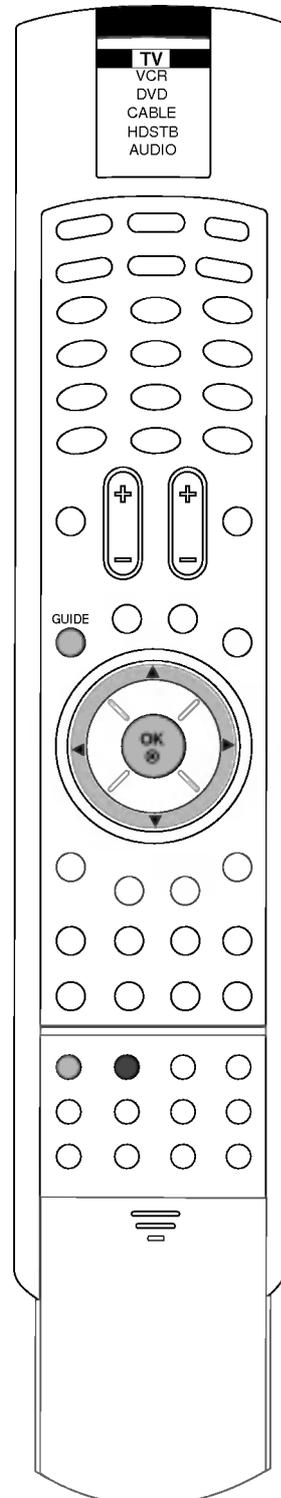
PC in socket
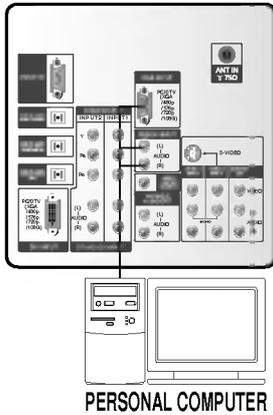
How to connect
1. To get the best picture quality, adjust the PC graphics card to 1024x768, 60Hz.
2. Use the set's RGB INPUT or DVI (Digital Visual Interface) INPUT port for video connections, depending on your PC connector.
   If the graphic card on the PC does not output analogue and digital RGB simultaneously, connect only one of either RGB INPUT or DVI INPUT to display the PC on the set.
   If the graphic card on the PC does output analogue and digital RGB simultaneously, set the TV to either RGB or DVI; (the other mode is set to Plug and Play automatically by the set.)
3. Then, make the corresponding audio connections. If using a sound card, adjust the PC sound as required.

How to use
1. Switch on the PC, and the PC screen appears on the set.
   The set can be operated as the PC monitor.
2. Check the image on your set. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.

Note:
a. Depending on the graphics card, DOS mode may not work if you use a DVI-I cable.
b. Avoid keeping a fixed image on the TV's screen for a long period of time. The fixed image may become permanently imprinted on the screen.
c. The synchronization input form for Horizontal and Vertical frequencies is separate.

Displayable Monitor Specification (RGB-PC / DVI-PC Mode)

MODE	Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
EGA	640x350	31.468	70.09
VGA	640x480	31.469	59.94
	640x480	37.861	72.80
	640x480	37.500	75.00
SVGA	800x600	35.156	56.25
	800x600	37.879	60.31
	800x600	48.077	72.18
	800x600	46.875	75.00
XGA	1024x768	48.363	60.00
	1024x768	56.476	70.06
	1024x768	60.023	75.02

Connection of PC

RGB-PC / DVI-PC Mode (option)

1. Press the **MENU** button and then ▲ / ▼ button to select the SPECIAL menu.
2. Press the ► button and then ▲ / ▼ button to select **Main input**.
3. Press the ► button and then ▲ / ▼ button to select **RGB-PC** or **DVI-PC**
4. Press the **EXIT** button to return to normal viewing.
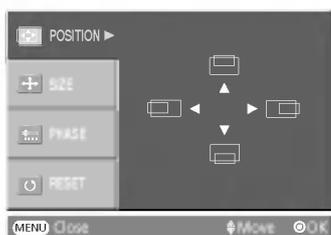
5. Press the **OK** button and then ▲ / ▼ button to select the desired picture item.
6. Press the ◄ / ► or ▲ / ▼ button to make appropriate adjustments.

    Position
    This function is to adjust picture to left/right and up/down as you prefer.

    Size
    This function is to adjust picture size to enlarges or reduces as you prefer.

    Phase
    This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

    Note : Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, size and phase manually.

    Reset
    This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.

7. Press the **OK** button to store it for the PC monitor picture.
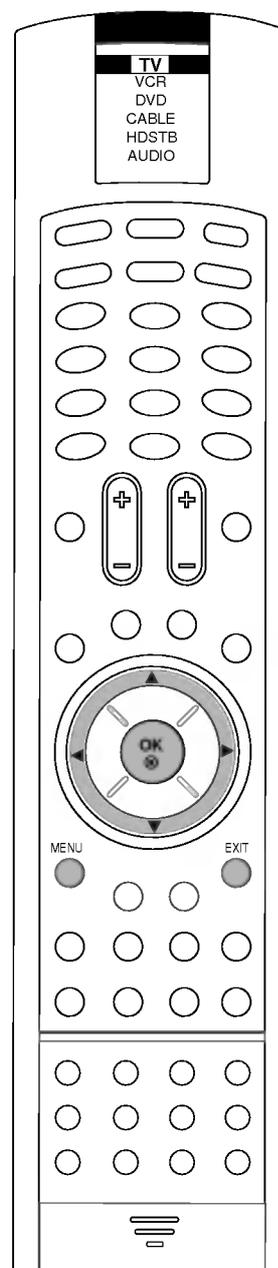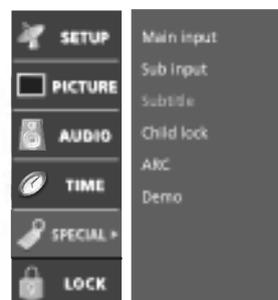
Connection of external equipment
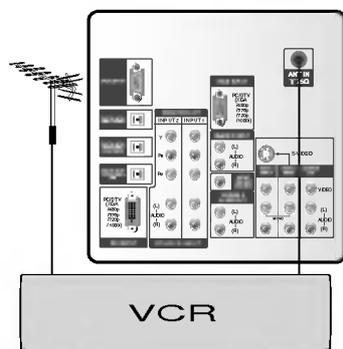
You can connect additional equipment, such as VCRs, camcorders etc. to your set.
Here shown may be somewhat different from your set.

Aerial socket

1. Connect the RF out socket of the VCR to the aerial socket on the back of the set.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on a desired programme number using the 'Manual programme tuning' section.
4. Select the programme number where the VCR channel is stored.
5. Press the **PLAY** button on the VCR.
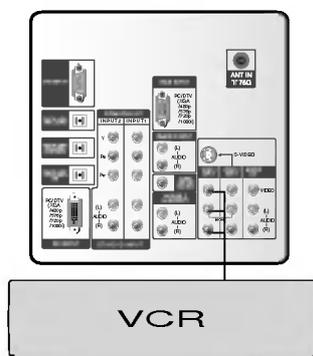
Audio/Video input sockets (option)

1. Connect the audio/video out sockets of the VCR to audio/video in sockets of the set.
2. Press the **TV/AV** button to select **Video1**, **Video2** or **Video3**.
3. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.

Note : If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** socket of the set.
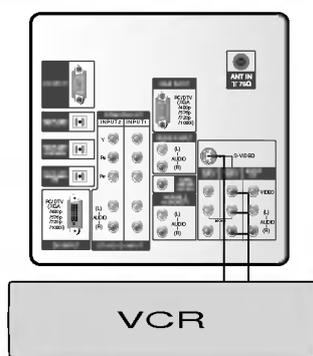
S-Video / Audio input sockets (option)

When connecting an VCR to the S-VIDEO socket, the picture quality will be further improved.

1. Connect the S-video socket of the VCR to the **S-VIDEO** socket of the set.
2. Connect the audio cable from the VCR to the AUDIO sockets of the **VIDEO2 INPUT** or **VIDEO3**.
3. Select **Video2** or **Video3** by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.

Note : If both **S-VIDEO** and **VIDEO** sockets have been connected to the VCR simultaneously, only the **S-VIDEO** can be received.
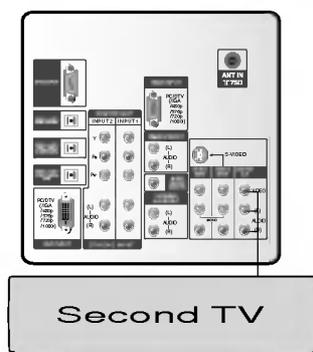
Monitor output sockets

Connect the audio/video in sockets of the other TV or monitor to **MONITOR OUTPUT** sockets of the set.

Connection of external equipment

DVD input sockets

1. Connect the DVD output sockets (Y Cb Cr, Y Pb Pr, Y B-Y R-Y or Y P$_B$ P$_R$) of the DVD player to the **DTV/DVD INPUT** sockets (Y P$_B$ P$_R$) of the set.
2. Connect the audio cable from the DVD player to **DTV/DVD INPUT AUDIO** sockets of the set.
3. Press the **TV/AV** or **MULTIMEDIA** button to select **Component1** or **Component2**.
4. Press the **PLAY** button on the DVD player.
   The DVD playback picture appears on the screen.

DVD
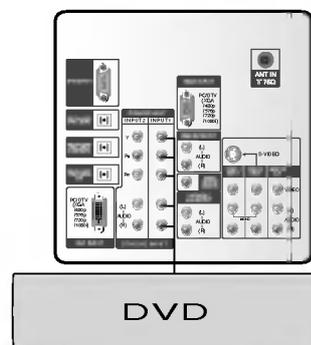
DTV input sockets

1. Connect the SET TOP output sockets to the **DTV/DVD INPUT** sockets (Y P$_B$ P$_R$) of the set. (or, connect the HD-SET TOP with the D-Sub output socket to **PC/DTV INPUT** socket on the set and audio cable of the HD-SET TOP to the AUDIO sockets of **PC/DTV INPUT**.)
2. Connect the audio cable from the SET TOP to the **DTV/DVD INPUT AUDIO** sockets of the set.
3. Press the **TV/AV** or **MULTIMEDIA** button to select **Component1, Component2** or **RGB-DTV**.
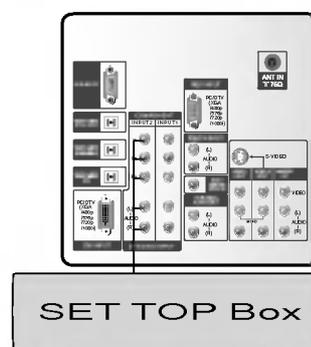
Position / Phase / Reset adjustment
You can adjust horizontal/vertical position, phase or reset as you prefer in RGB-DTV mode.

1. Press the **OK** button in RGB-DTV mode.
2. Press the ▲ / ▼ button to select **POSITION**, **PHASE** or **RESET**.

SET TOP Box
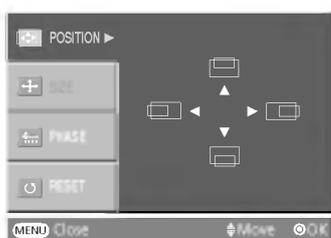
3. Press the ▲ / ▼ or ◄ / ► button to make appropriate adjust-ments.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

SET TOP Box

Troubleshooting check list

Symptoms

No picture, no sound

Sound OK, poor picture

Picture OK, poor sound

Picture blurred

Lines or streaks in picture

Poor reception on some channels

No colour

Poor colour

Remote control does not work

Poor brightness

Strange sound from inside the monitor

Check these items and try to adjust these

Check item	No picture, no sound	Sound OK, poor picture	Picture OK, poor sound	Picture blurred	Lines or streaks in picture	Poor reception on some channels	No colour	Poor colour	Remote control does not work	Poor brightness	Strange sound from inside the monitor
The mains plug-(plugged in and switched on)	X								X		
Is the TV switched on?	X								X		
Try another channel (weak signal)	X	X	X	X	X	X	X	X			
Check aerial (plugged into TV?)	X	X	X	X	X	X	X	X			
Check aerial (broken lead?)	X	X	X	X	X	X	X	X			
Check aerial	X	X	X	X	X	X	X	X			
Check for local interference		X	X	X	X						
Adjust contrast		X									
Adjust brightness		X								X	
Adjust colour							X	X			
Adjust volume			X								
Check the batteries in remote control									X		
Check Audio/Video sockets (VCR only)	X	X	X		X	X	X	X			
Contact LG service provider(s)										X	
A change in ambient humidity or temperature may result in an unusual noise at the time of switching off or on of the monitor and does not indicate a fault with the monitor											X